Scott M. Matheson
Governor

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110

Alvin E. Rickers, Director
Room 426 801-533-6121

533-6108
October 29, 1980

James O. Mason, M.D., Dr.P.H.
Executive Director
801-533-6111

DIVISIONS
Community Health Services
Environmental Health
Family Health Services
Health Care Financing and Standards

OFFICES
Administrative Services
Health Planning and Policy Development
Medical Examiner
State Health Laboratory

James Anthony
Intermountain Power Project
P.O. Box BB
Sandy, Utah 84070

Re: Air Quality Intent to Approve
Intermountain Power Project
Lynndyl Site

Dear Mr. Anthony:

Plans and specifications for your proposal to construct the Intermountain Power Project at the Lynndyl site have been evaluated and have been found to be consistent with the requirements of the Utah Air Conservation Regulations and the Utah Air Conservation Act.

The Executive Secretary will publish notice of intent to issue an approval order in the Salt Lake Tribune and Deseret News on October 30, 1980.

A thirty-day period following the publishing date will be allowed during which your proposal and the Executive Secretary's evaluation of the impact on air quality will be available for review and comment. If within 15 days of publication of notice anyone so requests, a hearing will be held. All comments received during the 30-day period and from a hearing, if held, will be evaluated and a final determination for approval/disapproval will be made by the Executive Secretary.

You may not proceed with any of the proposed construction or installation of the air pollution sources or control facilities until you have received an approval from the Executive Secretary. The conditions upon which the approval is proposed are:

1. All pollution control procedures and facilities shall be adopted or installed as proposed and equipment shall be operated to the manufacturer's specifications and/or to good engineering practices.

2. Sulfur Emissions Control

a. No unit shall discharge to the atmosphere sulfur as sulfur dioxide (SO_2) at a rate exceeding 0.155 lbs SO_2 per 10^6 BTU heat input as averaged over 30 successive boiler operating days.

CFPO

DIST	CO	AT
IPP BRD		
IPA BRD		
JHA		
RCB		
BC		
ATD		
JCF		
CDH		
HLH		
JMH		
LEJ		
FK		
HML		
JLM		
THM		
RN		
VLP		
GRS		
RDS		
BMT		
FILE		
PER JHA		

b. No unit shall discharge to the atmosphere sulfur dioxide at a rate exceeding 10% of the potential combustion concentration as averaged over 30 successive boiler operating days.

c. Compliance with sulfur removal requirement shall be based on data from continuous emission monitoring (CEM), the coal analysis, and a 30 day rolling average of successive operating days. The percent removed shall be computed as described in EPA performance test method 19.

3. Nitrogen Oxides Emissions Control

No boiler unit shall discharge to the atmosphere nitrogen oxides expressed as nitrogen dioxide (NO_2) at a rate exceeding 0.60 lb $NO_2/10^6$ BTU heat input based on a 30 day rolling average of successive boiler operating days. Compliance with this emission limitation shall be based on CEM data, fuel heat input and EPA performance test method 19. Compliance shall be accomplished by boiler design and appropriate operating practices.

4. Particulate Emissions Control

a. No boiler unit shall discharge to the atmosphere via the tall stacks particulate matter at a rate exceeding 0.02 $lb/10^6$ BTU heat input as determined by EPA test methods 1-5 and 19 performed within 180 days after commercial operation has started.

b. Visible emissions from any source shall not exceed 20% opacity as determined by Section 4.1.9, Utah Air Conservation Regulations (UACR), except for one 6-minute period per hour of not more than 27% opacity for each of the tall stacks.

c. The 750 ton coal surge bin and coal crushing operations shall be vented to baghouses. The lime transfer and storage silo system shall be vented to a baghouse.

d. Fugitive dusts and emissions shall be controlled as proposed:

(1) All conveyors, except the traveling stacker, shall be covered and have surfactant sprays at all discharge points except the conveyors feeding the coal silos.

(2) The rotary car dumper shall use surfactant spray and be partially enclosed.

(3) The active twin storage piles shall have stabilized, protective earthen berms and be sprayed with surfactant and/or crusting agents.

(4) The emergency active storage pile shall have a telescopic chute on the inloading conveyor, crusting agent sprays and be reclaimed through a bar grating and reclaim conveyor.

(5) The reserve coal storage piles shall be compacted, sprayed with a crusting agent and have a minimum of activity or turnover rate.

(6) Unpaved roads shall be treated with stabilizing agents and water sprays as proposed to minimize fugitive dusts and emissions or as determined necessary by the Executive Secretary.

(7) A record/log shall be kept containing the types of suppression agents used, amounts, dates, and areas of application. The record/log shall be made available to the Executive Secretary upon request.

(8) Water and/or surfactant sprinkling during the construction phases shall be performed as necessary to minimize fugitive emissions and dusts or as directed by the Executive Secretary; however, recording of such sprinkling need not be performed.

5. Report Requirements for Air Quality Information

a. Continuous emission monitoring for opacity, sulfur dioxide, and nitrogen dioxide shall be performed in accordance with Section 4.6 UACR and 40 CFR part 60.

b. Section 4.7, UACR, shall be complied with for unavoidable breakdowns.

c. A copy of all required reports submitted to EPA shall also be submitted to the Executive Secretary.

6. The Executive Secretary shall be notified when construction begins and when operation is normal (commercial date) as an initial compliance inspection is required.

Sincerely,

Brent C. Bradford
Executive Secretary
Utah Air Conservation Committee

MRK:job

cc: Central Dist. Health Dept.
EPA/Region VIII (N. Huey)

CC JCF 11/3/80